

## **RECORDING CURRENT CONTROL METHOD AND MAGNETIC DISK DRIVE**

### **ABSTRACT OF THE DISCLOSURE**

In a magnetic disk drive, a writing element and its surrounding area thermally expand due to the heat generated by a write head coil. The transient phenomenon of such thermal expansion may invoke the transient phenomenon of inadequate writing capacity, thereby causing a writing error at an early stage of a write operation. Control is provided which increases/decreases either or both the write current to be applied to a write head and the amount of its overshoot on an individual sector basis during a writing sequence.

(FIG. 3)

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